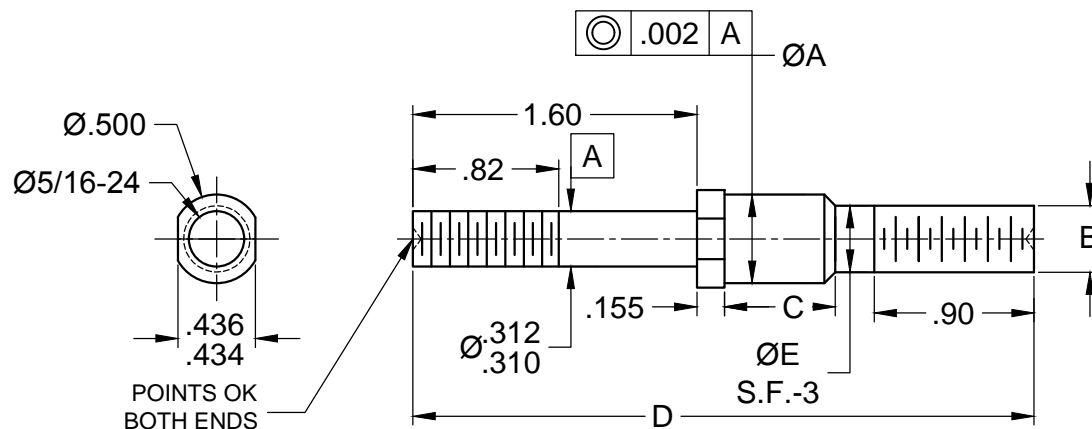


(-11)
STUD



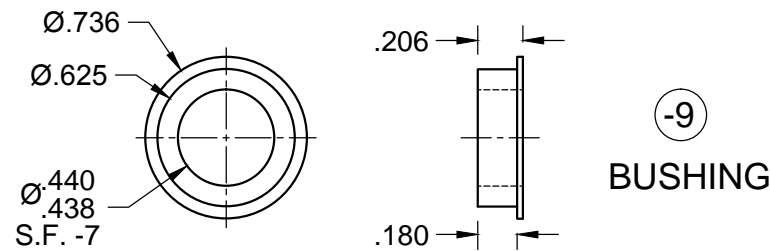
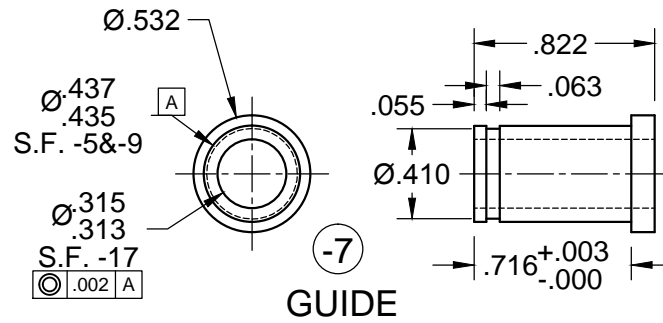
UNDER REVIEW

URF 19-1106 19.10.30 (VM)

BEARING # BACB10	TOOL #	ØA +.000 -.002	B	C +.000 -.010	D +.010 -.010	ØE +.000 -.002	MATERIAL	-27 SWIVEL FLANGE NUT
ES05	KSCES05P	.310	1/4-20 UNC	.300	3.437	.248	4140 Q&T RND. BAR Ø3/8 x 3-1/2	1/4-20 UNC MCMASTER-CARR PN: 90477A029

RED BARN MACHINE	
TITLE PORT. BEARING CUTTER; STUD	
DWG NO. TOOL#(see chart)-11	REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1 FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 12-1-08
SHEET 6 of 6	

DRAWN BY: PERRITT
APPROVED
HEAT TREAT
FINISH SPEC BLACK OXIDE
USED ON BEARING
SEE CHART



UNDER REVIEW

URF 19-1106 19.10.30 (VM)

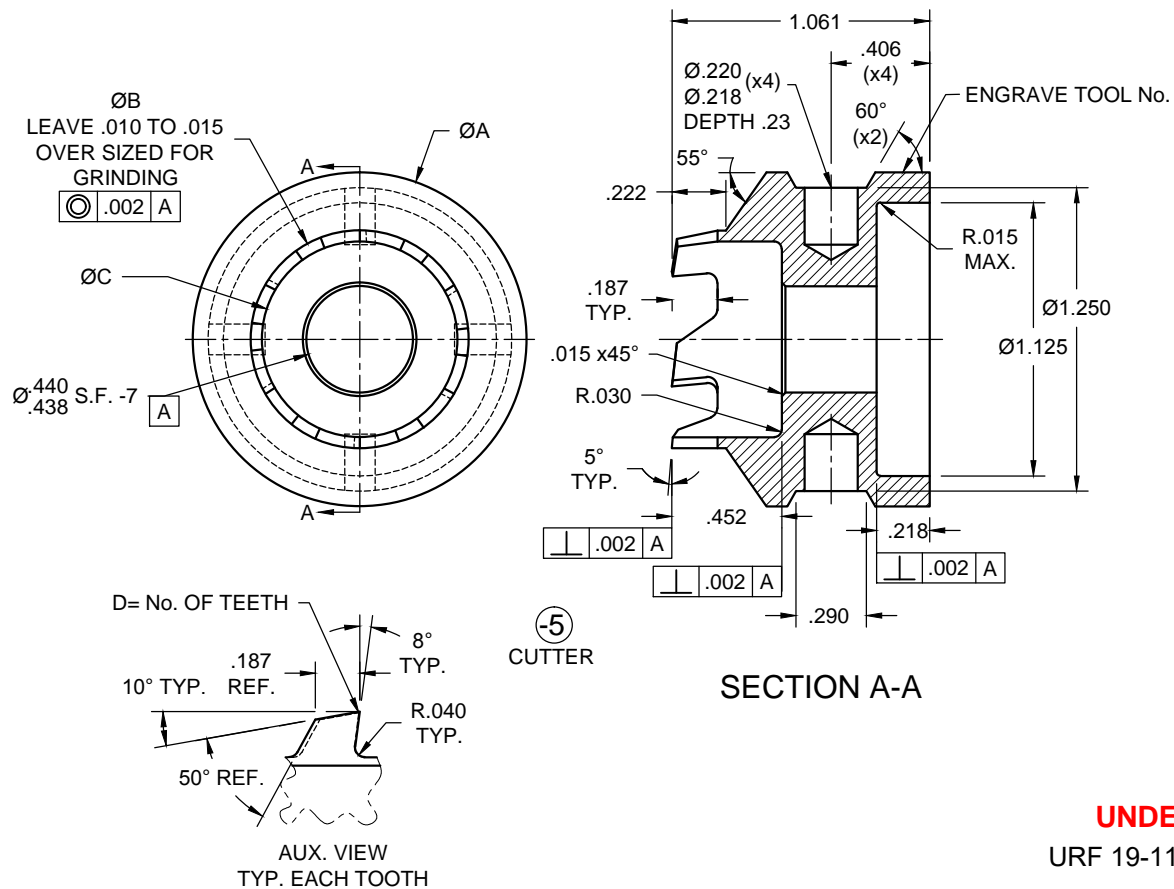
NOTE

1. DIMENSIONS FOR -7 & -9 ARE STANDARD FOR THESE PORTABLE BEARING CUTTERS.

TOOL #
KSCES05P

PART #	DESCRIPTION	MATERIAL
-7	GUIDE	BRONZE RND. BAR Ø5/8 x 1
-9	BUSHING	BRONZE RND. BAR Ø3/4 x 3/8

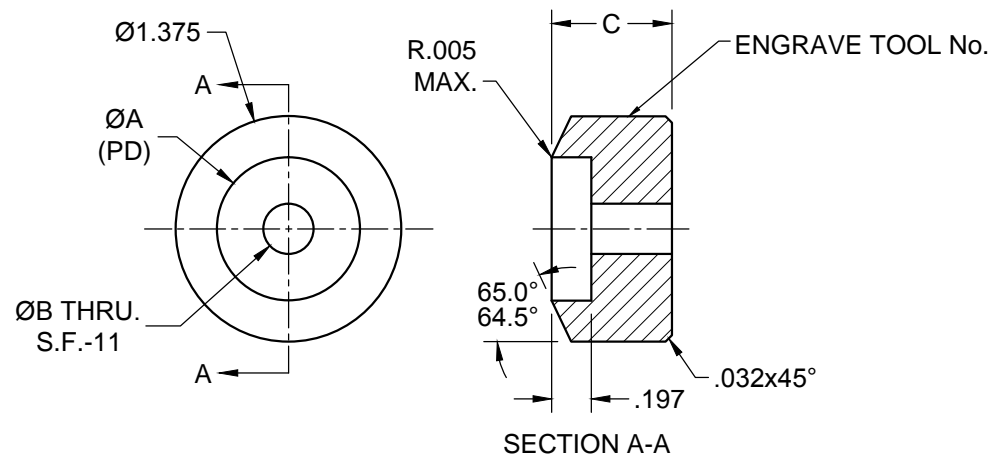
RED BARN MACHINE			
TITLE PORT. BEARING CUTTER; GUIDE & BUSHING			
DWG NO. TOOL#(see chart)-7 & -9			REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± .5° X ± .1		DRAWN BY: PERRITT APPROVED _____ _____ HEAT TREAT FINISH SPEC _____ USED ON BEARING _____ _____ UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS		DATE 12-1-08 SHEET 5 of 6	



UNDER REVIEW
URF 19-1106 19.10.30 (VM)

BEARING # BACB10	TOOL #	ØA +0.00 -0.010	ØB +0.00 -0.002	ØC +0.00 -0.005	D TOOTH AMT.	BRG. O.D.	MATERIAL
ESO5	KSCES05P	1.375	.771	.651	6	.7813	0-1 DRILL ROD Ø1-3/8 x 1-7/16

RED BARN MACHINE	
TITLE PORT. BEARING CUTTER; CUTTER	
DWG NO. TOOL#(see chart)-5	REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 12-1-08
SHEET 4 of 6	
DRAWN BY: PERRITT	
APPROVED	
HEAT TREAT FINISH SPEC RC 55-60 BLACK OXIDE	
USED ON BEARING SEE CHART	

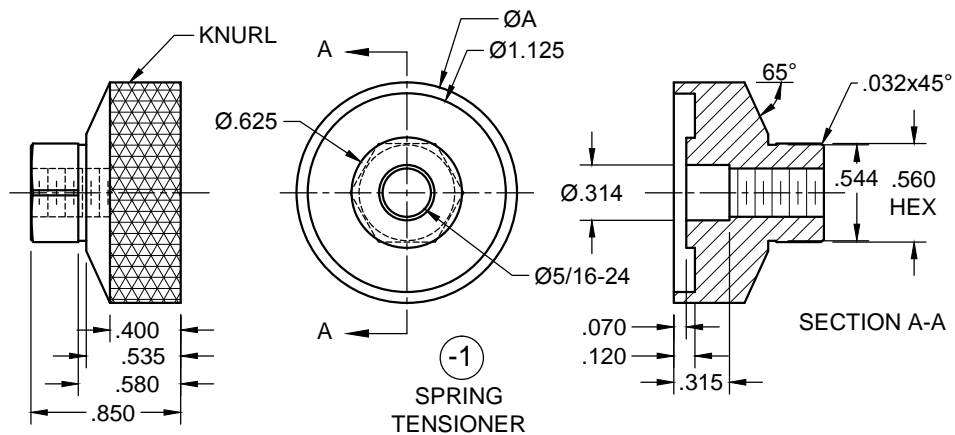


(-3)
SEAT

UNDER REVIEW
URF 19-1106 19.10.30 (VM)

BEARING # BACB10	TOOL #	ØA +.002 -.000	ØB +.002 -.000	C +.005 -.005	MATERIAL
ES05	KSCES05P	.681	.313	.681	4140 Q&T RND. BAR Ø1-3/8 x 7/8


RED BARN MACHINE			
TITLE PORT. BEARING CUTTER; SEAT			
DWG NO. TOOL#(see chart)-3			REV -
<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</small> <small>TOLERANCES ON:</small> DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± .5°		<small>DRAWN BY:</small> PERRITT <small>APPROVED</small> <small>HEAT TREAT</small> <small>FINISH SPEC</small> BLACK OXIDE <small>USED ON BEARING</small> <small>SEE CHART</small>	
<small>UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING</small>		<small>SCALE</small> NTS <small>DATE</small> 12-1-08 <small>SHEET</small> 3 of 6	



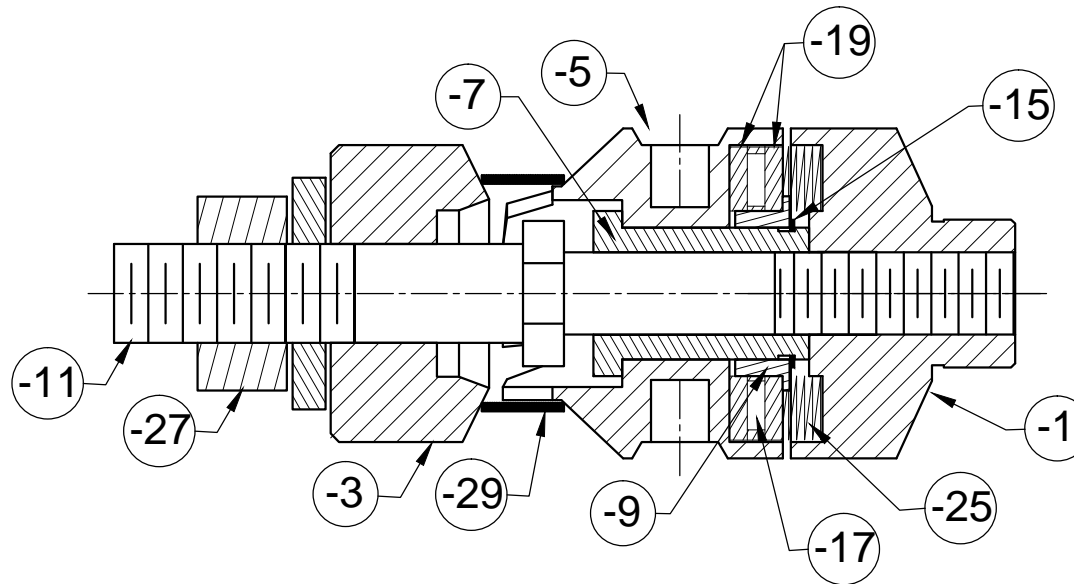
UNDER REVIEW

URF 19-1106 19.10.30 (VM)

BEARING # BACB10	TOOL #	ØA +.000 -.010	MATERIAL
ES05	KSCS05P	1.375	1018 RND. BAR Ø1-3/8 x 1-1/8

 RED BARN MACHINE			
TITLE PORT. BEARING CUTTER; SPRING TENSIONER			
DWG NO. TOOL#(see chart)-1			REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1		DRAWN BY: PERRITT APPROVED HEAT TREAT FINISH SPEC BLACK OXIDE USED ON BEARING SEE CHART	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SCALE NTS DATE 3-9-09 SHEET 2 of 6	

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
-	-	-	-	-



UNDER REVIEW
URF 19-1106 19.10.30 (VM)

BEARINGS & TOOLS COVERED	
BEARING #	TOOL #
BACB10ES05	KSCES05P

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MAT.	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-1	1	SPRING TENSIONER		SEE CHART	2
			-3	1	SEAT		SEE CHART	3
			-5	1	CUTTER		SEE CHART	4
			-7	1	GUIDE		SEE CHART	5
			-9		BUSHING		SEE TABLE	5
			-11	1	STUD		SEE CHART	6
		B/O	-15	1	EXTERNAL SPIRAL RETAINING RING		Ø3/8 SHAFT MCMASTER-CARR PN: 91665A340	1
		B/O	-17	1	THRUST BEARING		Ø5/8 ID. x 1-1/8 OD. x 5/64 APPLIED PN: NTA-1018	1
		B/O	-19	2	THRUST WASHERS		Ø5/8 ID. x 1-1/8 OD. x 1/16 APPLIED PN: TRB-1018	1
		B/O	-23	1	SPANNER WRENCH		MCMASTER-CARR PN: 5475A12	N/S
		B/O	-25	1	CREST TO CREST SPRING		APPLIED IND, (SMALLEY CO. PN: CS112-H2)	1
		B/O	-27	1	SWIVEL HEX FLANGE NUT	BLACK	SEE CHART	6
		B/O	-29	1	TOOTH GUARD (FOR SHIPPING ONLY)	TUBE VINYL	SEE -5 ØB PAGE 4 FOR INSIDE DIA. OF TUBE x 5/8 LENGTH	1
ASSY #								

RED BARN MACHINE	
TITLE PORTABLE BEARING CUTTERS	
DWG NO. SEE CHART ABOVE FOR TOOL No.	REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON:	APPROVED
DECIMALS .XXX ± .005	HEAT TREAT SEE PART
.XX ± .01	FINISH SEE PART
.X ± .1	SPEC
FRACTIONS ± 1/32	USED ON BEARING
ANGLES ± 5°	SEE CHART
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 3-9-09
SHEET 1 of 6	

NOT APPROVED FOR PRODUCTION

UNDER REVIEW
URF 19-1106 19.10.30 (VM)

 RED BARN MA

URF 19-1106 19.10.30 (VM)


RED BARN MACHINE

NOT APPROVED FOR PRODUCTION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

UNDER REVIEW
URF 19-1106 19.10.30 (VM)

	PART #	QTY	DESCRIPTION
	-1	1	--

DRAWN BY: PERRITT	 RED BARN MACHINE		
CHECKED			
HEAT TREAT FINISH SPEC			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± .5° .X ± .1			
USED ON MODEL	TITLE		
?	TITLE		
	DWG NO.	PART #	REV.
	SCALE NTS	DATE 1-28-06	SHEET 1 of 1
	UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		